

## Complete Summary

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### TITLE

Uncomplicated urinary tract infection in women: the percentage of women with uncomplicated urinary tract infection (UTI) treated with recommended short course therapy.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Jul. 21 p. [38 references]

## Brief Abstract

### DESCRIPTION

This measure assesses the percentage of women with uncomplicated urinary tract infection (UTI) treated with recommended short course therapy.

### RATIONALE

The priority aim addressed by this measure is to increase the use of short course therapy in women with uncomplicated urinary tract infection (UTI).

### PRIMARY CLINICAL COMPONENT

Uncomplicated urinary tract infection (UTI); short course antibiotic therapy (either 3 or 7 days); trimethoprim; trimethoprim-sulfamethoxazole; nitrofurantoin (Macrobid); ciprofloxacin

### DENOMINATOR DESCRIPTION

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI) reviewed (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

### NUMERATOR DESCRIPTION

Number of records for adult women with uncomplicated urinary tract infection (UTI) receiving the recommended short course prescription therapy (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

## Evidence Supporting the Measure

### PRIMARY MEASURE DOMAIN

Process

### SECONDARY MEASURE DOMAIN

Not applicable

### EVIDENCE SUPPORTING THE MEASURE

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

### NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Uncomplicated urinary tract infection in women.](#)

## Evidence Supporting Need for the Measure

### NEED FOR THE MEASURE

Unspecified

## State of Use of the Measure

### STATE OF USE

Current routine use

### CURRENT USE

Internal quality improvement

## Application of Measure in its Current Use

### CARE SETTING

Physician Group Practices/Clinics

### PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

### LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age 18 to 65 years

TARGET POPULATION GENDER

Female (only)

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

## DESCRIPTION OF CASE FINDING

Women ages 18 to 65 with uncomplicated urinary tract infection (UTI)

Medical groups can define the adult women with an encounter for uncomplicated cystitis from their databases, schedules, laboratory log, or whatever method they devise. A random sample of 20 patients seen for this diagnosis during the month can be selected. Each medical record will be reviewed to determine the number of those women receiving the recommended treatment at the initial encounter.

It is suggested that data are collected monthly. When a medical group's reported data have evidenced a performance level above 90% for 7 measurement periods, the medical group may elect to decrease the frequency of data collection. The decrease in frequency can be from 3 monthly samples to 1 sample collected each quarter.

## DENOMINATOR SAMPLING FRAME

Patients associated with provider

## DENOMINATOR (INDEX) EVENT

Clinical Condition  
Encounter

## DENOMINATOR INCLUSIONS/EXCLUSIONS

### Inclusions

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI)\* reviewed

\*A UTI is defined by the International Classification of Diseases, Ninth Revision (ICD-9) codes of 595, 595.0, 595.2, 595.3, 595.8, 595.89, 595.9, 599, 599.0.

Exclusions  
Unspecified

## NUMERATOR INCLUSIONS/EXCLUSIONS

### Inclusions

Number of records for adult women with uncomplicated urinary tract infection (UTI) receiving the recommended short course prescription therapy\*

\*The drugs recommended for short course therapy are as follows:

- Trimethoprim-sulfamethoxazole (D.S., 1 twice a day [BID] x 3 days)
- Trimethoprim (100 mg, 1 BID x 3 days)
- Nitrofurantoin (Macrobid, 100 mg BID x 7 days)
- Ciprofloxacin (250 mg BID x 3 days)

Exclusions  
Unspecified

#### DENOMINATOR TIME WINDOW

Time window is a single point in time

#### NUMERATOR TIME WINDOW

Encounter or point in time

#### DATA SOURCE

Administrative data  
Laboratory data  
Medical record

#### LEVEL OF DETERMINATION OF QUALITY

Individual Case

#### PRE-EXISTING INSTRUMENT USED

Unspecified

### Computation of the Measure

#### SCORING

Rate

#### INTERPRETATION OF SCORE

Better quality is associated with a higher score

#### ALLOWANCE FOR PATIENT FACTORS

Unspecified

#### STANDARD OF COMPARISON

Internal time comparison

### Evaluation of Measure Properties

#### EXTENT OF MEASURE TESTING

Unspecified

## Identifying Information

### ORIGINAL TITLE

The percentage of women with uncomplicated UTI treated with recommended short course therapy.

### MEASURE COLLECTION

[Uncomplicated Urinary Tract Infection in Women Measures](#)

### DEVELOPER

Institute for Clinical Systems Improvement

### ADAPTATION

Measure was not adapted from another source.

### RELEASE DATE

2002 Nov

### REVISION DATE

2004 Jul

### MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2002 Nov. 24 p.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Jul. 21 p. [38 references]

### MEASURE AVAILABILITY

The individual measure, "The percentage of women with uncomplicated UTI treated with recommended short course therapy," is published in "Health Care Guideline: Uncomplicated Urinary Tract Infection in Women." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: [www.icsi.org](http://www.icsi.org); e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

## NQMC STATUS

This NQMC summary was completed by ECRI on February 9, 2004. This summary was updated by ECRI on October 11, 2004.

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Date Modified: 11/8/2004

